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APPLICATION NO.	O. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/734,179	1	12/15/2003	Sang Kyun Lee	3811-0134P 2150		
2292	7590	05/19/2005		EXAMINER		
		KOLASCH & B	MOORE, MARGARET G			
PO BOX 74 FALLS CH	•	A 22040-0747		ART UNIT PAPER NUMBER		
	,			1732		

DATE MAILED: 05/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/734,179	LEE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Margaret G. Moore	1712	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wit	h the correspondence address -	•
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a re within the statutory minimum of thirty will apply and will expire SIX (6) MON cause the application to become AB	ply be timely filed (30) days will be considered timely. THS from the mailing date of this communication ANDONED (35 U.S.C. § 133).	ation.
Status		:	
1)☐ Responsive to communication(s) filed on 2a)☐ This action is FINAL . 2b)☒ This 3)☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matte		s is
Disposition of Claims			
4) ☐ Claim(s) 1 to 14 is/are pending in the application 4a) Of the above claim(s) 4 to 11, 13 and 14 is/ 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2 and 12 is/are rejected. 7) ☐ Claim(s) 3 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	are withdrawn from consic	eration.	
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to be drawing(s) be held in abeyan- ion is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.12	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	s have been received. s have been received in Aprity documents have been u (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413) I/Mail Date formal Patent Application (PTO-152) 	

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1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1 to 3 and 12, drawn to a siloxane resin, classified in class 528, subclass 35.
- II. Claim 4 to 8 and 13, drawn to a method of forming a film, classified in class 427, subclass 387.
- III. Claims 9 to 11 and 14, drawn to an interlayer film, classified in class 428, subclass 447.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions of Group I and Group III are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as a top coating composition for plastics or stone and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.
- 3. Inventions of Group I and Group II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the instant product can be used in a materially different process, such as a process of forming a topcoat on a ceramic or a plastic.

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4. Because these inventions are distinct for the reasons given above and the search required for Groups II and III is not required for Group I, restriction for examination purposes as indicated is proper.

- 5. During a telephone conversation with Joseph Kolasch on 5/4/05, a provisional election was made without traverse to prosecute the invention of Group I, claims 1 to 3 and 12. Affirmation of this election must be made by applicant in replying to this Office action. Claims 4 to 11, 13 and 14 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.
- 6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 8. Claims 1, 2 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Mager et al.

Mager et al. teach cyclic monomeric organosilanes meeting Formula 1. See for instance compound III on column 2. To these silanes Mager et al. teach the addition of an alkoxide compound. See the formula on the bottom of column 3, in which Q can be Ge. This meets Formula 2 when a = 4. These compounds undergo a condensation reaction to form a final siloxane. In this manner instant claim 1 is anticipated by Mager

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et al. See the tables on column 5, which teach amounts of alkoxide and organosilane which meet instant claim 2.

Mager et al. fail to specifically teach the dielectric constant of the siloxane resin produced therein, but the dielectric constant is a value that is inherently associated with the product. Since the claimed product is fully met by the teachings of Mager et al., the dielectric constant that is associated therewith will inherently meet that claimed. Note that a composition and the properties associated therewith are inseparable. Products of identical chemical composition can not have mutually exclusive properties. A chemical composition and its properties are inseparable. Therefore, if the prior art teaches the identical chemical structure, the properties applicant discloses and/or claims are necessarily present.

9. Claim 3 is objected to as being based upon a rejected base claim.

The prior art fails to teach a molecular weight for the siloxane prepared therein. In addition, since the composition is directly applied as a coating after condensation and cured, there is nothing that would motivate the skilled artisan to adjust the molecular weight prior to the coating step such that it falls within the claimed range.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Margaret G. Moore whose telephone number is 571-272-1090. The examiner can normally be reached on Monday to Wednesday and Friday, 10am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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5/13/05

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free),

Margaret∕ G. Moore Primary Examiner Art Unit 1712

mgm